

The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:

IPEA/ US

PCT

CHAPTER II

DEMAND

under Article 31 of the Patent Cooperation Treaty:

The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty and hereby elects all eligible States (except where otherwise indicated).

For International Preliminary Examining Authority use only

Identification of IPEA

Date of receipt of DEMAND

| | | |
|--|---|--|
| Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION | | Applicant's or agent's file reference 32282-PCT |
| International application No. PCT/US99/26127 | International filing date (day/month/year) 05 November 1999 (05.11.99) | (Earliest) Priority date (day/month/year) 06 November 1998 (06.11.98) |
| Title of invention IMAGE DESCRIPTION SYSTEM AND METHOD | | |
| Box No. II APPLICANT(S) | | |
| Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK Broadway and 116th Street New York, NY 10027 US | Telephone No.: Facsimile No.: Teleprinter No.: | |
| State (that is, country) of nationality: US | State (that is, country) of residence: US | |
| Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) AT&T AT&T Labs, Room 3-237 100 Schultz Drive-Middletown Redbank, NJ 07701 US | State (that is, country) of residence: US | |
| State (that is, country) of nationality: US | State (that is, country) of residence: US | |
| Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) IBM T.J. Watson Research Center 30 Saw Mill River Road Hawthorne, NY 10532 US | State (that is, country) of residence: US | |
| State (that is, country) of nationality: US | State (that is, country) of residence: US | |
| <input checked="" type="checkbox"/> Further applicants are indicated on a continuation sheet. | | |

Continuation of Box No. II APPLICANT(S)

*If none of the following sub-boxes is used, this sheet is not to be included in the demand.*Name and address: *(Family name followed by given name; for a legal entity; full official designation. The address must include postal code and name of country.)*

PAEK, SEUNGYUP
 530 Riverside Drive, Apt. 6J
 New York, NY 10027
 US

State *(that is, country)* of nationality:
KRState *(that is, country)* of residence:
USName and address: *(Family name followed by given name; for a legal entity; full official designation. The address must include postal code and name of country.)*

BENITEZ, ANA
 400 West 119th Street, Apt. 9F
 New York, NY 10027
 US

State *(that is, country)* of nationality:
ESState *(that is, country)* of residence:
USName and address: *(Family name followed by given name; for a legal entity; full official designation. The address must include postal code and name of country.)*

CHANG, SHIH-FU
 560 Riverside Drive, Apt. 18K
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 US

State *(that is, country)* of nationality:
TWState *(that is, country)* of residence:
USName and address: *(Family name followed by given name; for a legal entity; full official designation. The address must include postal code and name of country.)*

LI, CHUNG-SHENG
 50 Croton Avenue, Apt. 2C
 Ossining, NY 10562
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USState *(that is, country)* of residence:
US

Further applicants are indicated on another continuation sheet.

Continuation of Box No. II APPLICANT(S)

If none of the following sub-boxes is used, this sheet is not to be included in the demand.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

SMITH, JOHN R.
275 W. 96th Street, Apt. 15B
New York, NY 10025
US

State (that is, country) of nationality:
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State (that is, country) of residence:
US

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

BERGMAN, LAWRENCE
IBM
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30 Saw Mill River Road
Hawthorne, NY 10532
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State (that is, country) of nationality:
US

State (that is, country) of residence:
US

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

PURI, ATUL
AT&T Labs, Room 3-237
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US

State (that is, country) of nationality:
US

State (that is, country) of residence:
US

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

HUANG, QIAN
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100 Schultz Drive-Middletown
Redbank, NJ 07701
US

State (that is, country) of nationality:
US

State (that is, country) of residence:
US



Further applicants are indicated on another continuation sheet.

Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The following person is agent common representative

and has been appointed earlier and represents the applicant(s) also for international preliminary examination.

is hereby appointed and any earlier appointment of (an) agent(s) /common representative is hereby revoked.

is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

TANG, HENRY
Baker Botts, LLP
30 Rockefeller Plaza
New York, NY 10112-0228
US

Telephone No.:
(212) 705-5000

Facsimile No.:
(212) 705-5020

Teleprinter No.:

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION**Statement concerning amendments:***

1. The applicant wishes the international preliminary examination to start on the basis of:

the international application as originally filed

the description as originally filed
 as amended under Article 34

the claims as originally filed
 as amended under Article 19 (together with any accompanying statement)
 as amended under Article 34

the drawings as originally filed
 as amended under Article 34

2. The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.

3. The applicant wishes the start of the international preliminary examination to be postponed until the expiration of 20 months from the priority date unless the International Preliminary Examining Authority receives a copy of any amendments made under Article 19 or a notice from the applicant that he does not wish to make such amendments (Rule 69.1(d)). *(This check-box may be marked only where the time limit under Article 19 has not yet expired.)*

* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.

Language for the purposes of international preliminary examination:

which is the language in which the international application was filed.
 which is the language of a translation furnished for the purposes of international search.
 which is the language of publication of the international application.
 which is the language of the translation (to be) furnished for the purposes of international preliminary examination.

Box No. V ELECTION OF STATES

The applicant hereby elects all eligible States *(that is, all States which have been designated and which are bound by Chapter II of the PCT)*

excluding the following States which the applicant wishes not to elect:

Box No. VI CHECK LIST

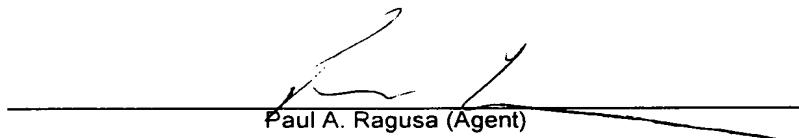
| The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination: | | | For International Preliminary Examining Authority use only | |
|--|---|--------|--|--------------------------|
| | | | received | not received |
| 1. translation of international application | : | sheets | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. amendments under Article 34 | : | sheets | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. copy (or, where required, translation) of amendments under Article 19 | : | sheets | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. copy (or, where required, translation) of statement under Article 19 | : | sheets | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. letter | : | sheets | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. other (specify) | : | sheets | <input type="checkbox"/> | <input type="checkbox"/> |

The demand is also accompanied by the item(s) marked below:

| | |
|--|---|
| 1. <input checked="" type="checkbox"/> fee calculation sheet | 4. <input type="checkbox"/> statement explaining lack of signature |
| 2. <input type="checkbox"/> separate signed power of attorney | 5. <input type="checkbox"/> nucleotide and or amino acid sequence listing in computer readable form |
| 3. <input type="checkbox"/> copy of general power of attorney; reference number, if any: | 6. <input checked="" type="checkbox"/> other (specify): Transmittal Letter |

Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).



Paul A. Ragusa (Agent)

For International Preliminary Examining Authority use only

| | |
|--|---|
| 1. Date of actual receipt of DEMAND: | |
| 2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b): | |
| 3. <input type="checkbox"/> The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply. | <input type="checkbox"/> The applicant has been informed accordingly. |
| 4. <input type="checkbox"/> The date of receipt of the demand is WITHIN the period of 19 months from the priority date as extended by virtue of Rule 80.5. | |
| 5. <input type="checkbox"/> Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82. | |

For International Bureau use only

Demand received from IPEA on:

PCT

FEE CALCULATION SHEET

Annex to the Demand for international preliminary examination

| | | | | | | | | | | |
|---|---|--|--|-------------------------------|--|---|---|----------------------------------|-------------------------------------|---|
| International application No. | PCT/US99/26127 | For International Preliminary Examining Authority use only | | | | | | | | |
| Applicant's or agent's file reference | 32282-PCT | Date stamp of the IPEA | | | | | | | | |
| <p>Applicant THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK</p> | | | | | | | | | | |
| <p>Calculation of prescribed fees</p> | | | | | | | | | | |
| 1. Preliminary examination fee | 490.00 | P | | | | | | | | |
| 2. Handling fee <i>(Applicants from certain States are entitled to a reduction of 75% of the handling fee. Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee.)</i> | 153.00 | H | | | | | | | | |
| 3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box | 643.00 | | | | | | | | | |
| | TOTAL | | | | | | | | | |
| <p>Mode of Payment</p> <table> <tr> <td><input type="checkbox"/> authorization to charge deposit account with the IPEA (see below)</td> <td><input type="checkbox"/> cash</td> </tr> <tr> <td><input checked="" type="checkbox"/> cheque</td> <td><input type="checkbox"/> revenue stamps</td> </tr> <tr> <td><input type="checkbox"/> postal money order</td> <td><input type="checkbox"/> coupons</td> </tr> <tr> <td><input type="checkbox"/> bank draft</td> <td><input type="checkbox"/> other (specify):</td> </tr> </table> | | | <input type="checkbox"/> authorization to charge deposit account with the IPEA (see below) | <input type="checkbox"/> cash | <input checked="" type="checkbox"/> cheque | <input type="checkbox"/> revenue stamps | <input type="checkbox"/> postal money order | <input type="checkbox"/> coupons | <input type="checkbox"/> bank draft | <input type="checkbox"/> other (specify): |
| <input type="checkbox"/> authorization to charge deposit account with the IPEA (see below) | <input type="checkbox"/> cash | | | | | | | | | |
| <input checked="" type="checkbox"/> cheque | <input type="checkbox"/> revenue stamps | | | | | | | | | |
| <input type="checkbox"/> postal money order | <input type="checkbox"/> coupons | | | | | | | | | |
| <input type="checkbox"/> bank draft | <input type="checkbox"/> other (specify): | | | | | | | | | |

Deposit Account Authorization *(this mode of payment may not be available at all IPEAs)*

The IPEA/ US is hereby authorized to charge the total fees indicated above to my deposit account.

(this check-box may be marked only if the conditions for deposit accounts of the IPEA so permit) is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated above to my deposit account.

02-4377

5 June 2000

Deposit Account Number

Date (day/month/year)

Signature